GOVERNMENT OF INDIA
ROAD TRANSPORT AND HIGHWAYS
LOK SABHA

UNSTARRED QUESTION NO:1958
ANSWERED ON:10.12.2015
Road Mapping through Satellites
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Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether the central road research institute has developed any suitable method or technology for the construction and maintenance of Indian roads, if so, details thereof;

(b) whether the National Highway Authority of India proposes to formulate a plan for tracking of road conditions using the scientifically mapped and updated data through satellites;

(c) if so, the details thereof;

(d) whether the Government has signed any MoU with India Space Research Organisation (ISRO) or North East Centre for Technology Application and Research (NECTAR) to get satellite images of the conditions of the roads; and

(e) if so, the details thereof and to the extent it will help in maintaining conditions of roads?

Answer

THE MINISTER OF STATE IN THE
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

(SHRI PON. RADHAKRISHNAN)

(a) Yes, Madam. Central Road Research Institute (CRRI) has developed several technologies/procedures/methods for construction and maintenance of Indian roads such as cold mix & warm mix technologies for bituminous roads, use of waste plastic, industrial waste (copper slag, zinc slag, steel slag etc.), use of mastic asphalt, micro-surfacing, design & specifications for construction and maintenance of roads & bridges, procedures for road safety measures, use of fly ash in road embankment, methods for maintenance of cement concrete roads etc.

(b) to (e) Yes, Madam. National Highway Authority of India (NHAI) has initiated steps for use of space technology for preparation of detailed project reports, monitoring of construction and road asset management. NHAI proposes signing MOU with Indian Space Research Organisation (ISRO) & North East Centre for Technology Application and Research (NECTAR) for use of space technology in aforesaid areas.
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